



Monitoring and Control Systems (MCS)

Steve Hahn
MCS Meeting
11/30/2004

★ Deadlines looming!

- December 1: new(?) deadline to move to FERMI domain
 - CD shut off cdf-fs1 (S: drive) & cdf-fs2 (webserver) Monday morning; Mark persuaded them these necessary to critical task
 - This used to be January 1
 - Not clear MUON3 will be ready by then
 - (Untested) workaround—use multiple accounts on same PC, one in FNAL and another in FERMI
- December 6: first colliding beam?
 - Need ICICLE ASAP!
 - Also, need work on VOLTMAN



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- ★ A random walk through the MCS upgrade
 - CDFEPHV: switched from FNAL to FERMI domain
 - PC remote mapping does not work
 - Luciana figured out how to use VNC for file transfers instead. Great!
 - CLC1: switched from FNAL to FERMI domain
 - Problems with reading both CLC CAEN 527 & CPR/CCR CAEN 527
 - CLC CAEN hangs after 1-2 hours; only recovery is reset of CAEN
 - Only happens while both CAENs being read out
 - Mary Convery continues to investigate
 - Currently, HV on for CPR/CCR but not being monitored
 - SOLENOID2: new XP PC
 - Need ICICLE this week to be ready for collisions next week



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- COT3: new XP PC
 - Good shape
- CDFTEMP: new Windows 2000 (APACS driver) PC
 - Thanks to Dave Dagenhart, now works
 - Data written to local MS Access DB and CDFONDEV Oracle DB
 - Can be accessed via cdf-fs2 webserver; no local webserver
 - Maybe we should move to CDFONPROD? CDFONDEV not guaranteed to remain persistent
- COT2: recycled XP PC for view node
 - Now works
 - Mark found new installation of Visual C++ gives newer version from earlier installations; had to reinstall on COT3, also
- SVXIICON: new XP PC
 - iFIX DB now copied over (tediously)
 - After installation of hub to connect PC to two ethernet Siemens cards, can start testing



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- VOLTMAN: new XP PC
 - Thanks to Ben Whitehouse and Dave Dagenhart's experience, Ben got this up and running in one week
 - Need Ben back to work on:
 - New B&B boxes, or, better yet, tools to update these transparently
 - New power supplies in L2 active splitters
 - Write to CDFONDEV ORACLE DB and display on cdf-fs2 webserver like CDFTEMP
- MUON3 (CAEN127): new XP PC
 - Waiting on one more CAEN A1303 PCI interface card
 - How do we upgrade PC while taking data?
 - Also need to implement software-controlled “slow” inhibits
- **Plug source PC**: XP PC from Purdue
 - Since last time, original PC died; need to replace (with recently removed PC?)
- **Muon scintillator PC (in pit)**: recycled XP PC?
 - Also, needs to be updated